

WHAT IS CLAIMED IS:

- 1 1. A system for preparing imaging data for printing to a
2 requested web service from an application loaded on a user's computing device,
3 comprising:
4 an imaging client computer having a web browser for printing
5 from the application to the requested web service;
6 a personal imaging repository associated with a particular user for
7 storing imaging data that is to be accessed by the requested web service; and,
8 a capture driver for preparing the imaging data for transfer to said
9 personal imaging repository;
10 wherein said personal imaging repository is an exchange
11 infrastructure between the imaging data and available web services on the
12 Internet.
- 1 2. The system as defined in claim 1 wherein said imaging
2 client computer further comprising user information for associating the user
3 with said personal imaging repository.
- 1 3. The system as defined in claim 2 wherein said user
2 information is accessed through an extension component of said web browser.
- 1 4. The system as defined in claim 1 wherein said personal
2 imaging repository stores the imaging data in a plurality of file formats.
- 1 5. The system as defined in claim 1 wherein said personal
2 imaging repository comprises an imaging data store for storing imaging data.
- 1 6. The system as defined in claim 5 wherein said imaging
2 data store is assigned to the user associated with said personal imaging
3 repository for storing imaging data for user usage.

1 7. The system as defined in claim 5 wherein said imaging
2 data store is assigned to a web service for storing imaging data available to the
3 public.

1 8. The system as defined in claim 1 wherein said personal
2 imaging repository comprises a composition store for storing imaging
3 compositions of imaging data serviced as a single unit.

1 9. The system as defined in claim 8 wherein said imaging
2 composition further comprising a link reference for each imaging data.

1 10. The system as defined in claim 1 wherein said capture
2 driver further comprising:

3 a printer driver for converting the imaging data in a predefined
4 format suitable for printing to a peripheral device;

5 a port monitor for directing the imaging data to said personal
6 imaging repository;

7 an uploader mechanism for storing the imaging data onto said
8 personal imaging repository; and,

9 a conversion mechanism for converting the imaging data into a
10 default format of the personal imaging repository.

1 11. The system as defined in claim 10 wherein said predefined
2 format suitable for printing is page description language.

3 12. The system as defined in claim 11 wherein said predefined
4 format suitable for printing is any one from the group consisting of:

5 Postscript Format;

6 Printer Control Language; and,

7 Hewlett Packard Graphics Language.

1 13. The system as defined in claim 10 wherein said default
2 format of said personal imaging repository is any one from the group consisting
3 of:

4 Joint Photographic Experts Group Format;
5 Graphics Interchange Format;
6 Portable Network Graphics Format;
7 Tagged Image File Format;
8 Portable Document Format; and,
9 Microsoft Windows bitmap format.

1 14. A computer for preparing imaging data for printing from
2 an application to a requested web service, comprising:

3 a web browser for printing to the requested web service;
4 a personal imaging repository associated with a particular user for
5 storing imaging data that is to be accessed by the requested web service; and,
6 a capture driver for preparing the imaging data for transfer to said
7 personal imaging repository;

8 wherein said personal imaging repository is an exchange
9 infrastructure between the imaging data and available web services on the
10 Internet.

1 15. A capture driver for preparing the imaging data for
2 printing from an application located on a client computer with a web browser
3 to a requested web service, comprising:

4 a port monitor for directing the imaging data to said personal
5 imaging repository; and,

6 an uploader mechanism for storing the imaging data into said
7 personal imaging repository;

8 wherein said port monitor forwards the web browser to the
9 requested web service.

10 16. The capture driver as defined in claim 15 further
11 comprising:

12 a printer driver for converting the imaging data into a predefined
13 format suitable for printing to a peripheral device; and,

14 a conversion mechanism for converting the imaging data into the
15 default format of the personal imaging repository.

1 17. A method for preparing imaging data for printing from an
2 application located on a computer with a web browser and a capture driver
3 having a printer driver and a port monitor to a requested web service provided
4 by a web service server, wherein the computer is linked to a personal imaging
5 repository having an imaging data store for storing the imaging data and a
6 composition store for storing imaging compositions having links to the imaging
7 data serviced as a single unit, said method comprising the steps of:

8 transferring the imaging data to the imaging data store;
9 creating an imaging composition having links to the imaging data
10 stored in the imaging data store;

11 saving the imaging composition in the composition store; and,
12 directing the web browser to the requested web service.

1 18. The method according to claim 17 wherein prior to said
2 step of transferring the imaging data further comprising the steps of:

3 directing the imaging data to the operating system by the
4 application; and,

5 directing the imaging data to the printer driver by the operating
6 system.

1 19. The method according to claim 17 wherein prior to said
2 step transferring the imaging data further comprising the steps of:

3 determining whether the imaging data is in a predefined format
4 suitable for printing to a peripheral device;

5 converting the imaging data to the predefined format when the
6 imaging data is not in the predefined format; and,

7 directing the imaging data in the predefined format to the
8 operating system.

1 20. The method according to claim 19 wherein said step of
2 directing the imaging data further comprising the steps of:

3 directing the imaging data in the predefined format to the port
4 monitor;

5 receiving the imaging data in the predefined format by the port
6 monitor;

7 converting the imaging data in the predefined format to a default
8 format of the imaging data store.

1 21. The method according to claim 17 wherein prior said step
2 of transferring the imaging data further comprising the step of converting the
3 imaging data into a default format of the imaging data store.

1 22. A computer program product comprising a computer
2 usable medium having computer readable program codes embodied in the
3 medium that when executed cause a computer to:

4 transfer the imaging data to an imaging data store;

5 create an imaging composition having links to the imaging data
6 stored in the imaging data store;

7 save the imaging composition in a composition store; and,

8 direct a web browser located on the computer to a requested web
9 service.

1 23. A computer program product comprising a computer
2 usable medium having computer readable program codes embodied in the
3 medium that when installed in a computer having a web browser linked to a
4 personal imaging repository with an imaging data store for storing the imaging
5 data and a composition store for storing imaging compositions having links to
6 the imaging data serviced as a single unit, the product causes the computer to:

7 transfer the imaging data to an imaging data store;
8 create an imaging composition having links to the imaging data
9 stored in the imaging data store;
10 save the imaging composition in a composition store; and,
11 direct the web browser to a requested web service.

1 24. A driver comprising a computer usable medium having
2 computer readable program codes embodied in the medium that when installed
3 in a computer having a web browser linked to a personal imaging repository
4 with an imaging data store for storing the imaging data and a composition store
5 for storing imaging compositions having links to the imaging data serviced as a
6 single unit, the driver causes the operating system to:

7 transfer the imaging data to an imaging data store;
8 create an imaging composition having links to the imaging data
9 stored in the imaging data store;
10 save the imaging composition in a composition store; and,
11 direct the web browser to a requested web service.